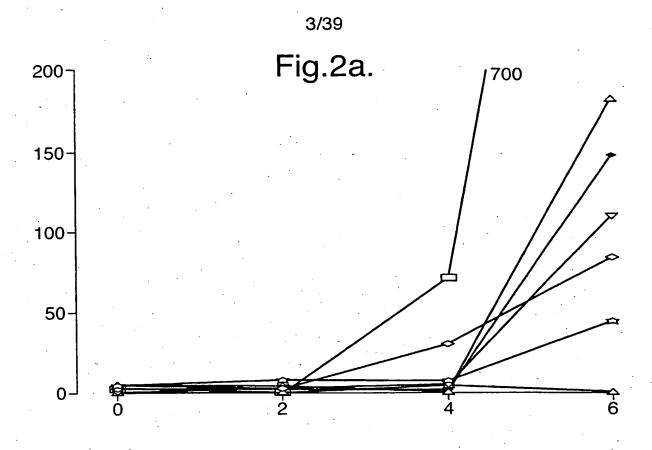
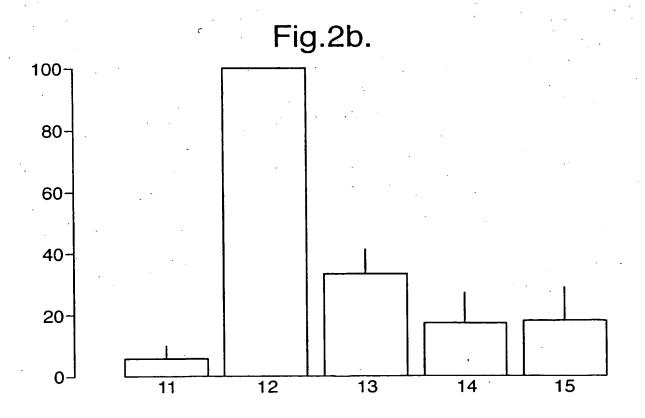


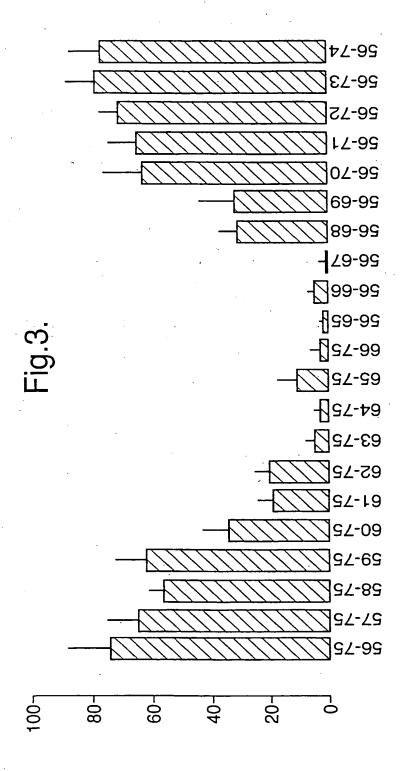
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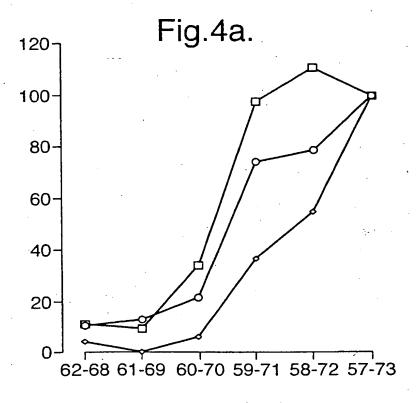
PCT/GB00/03760

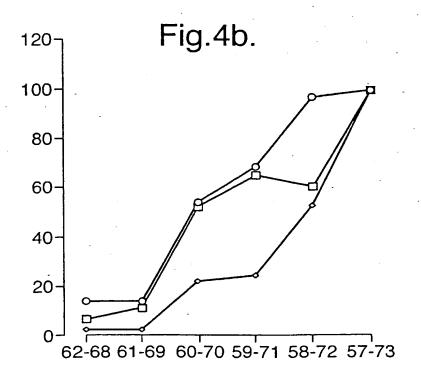


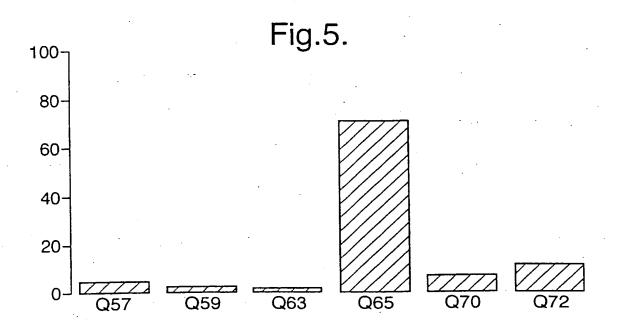


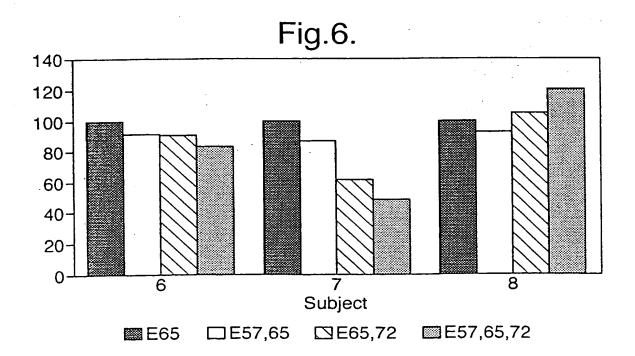
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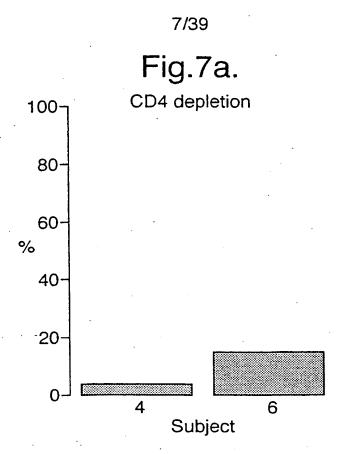


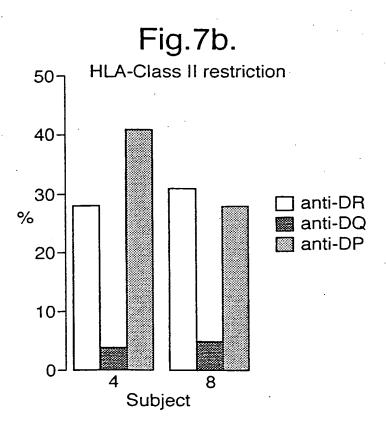




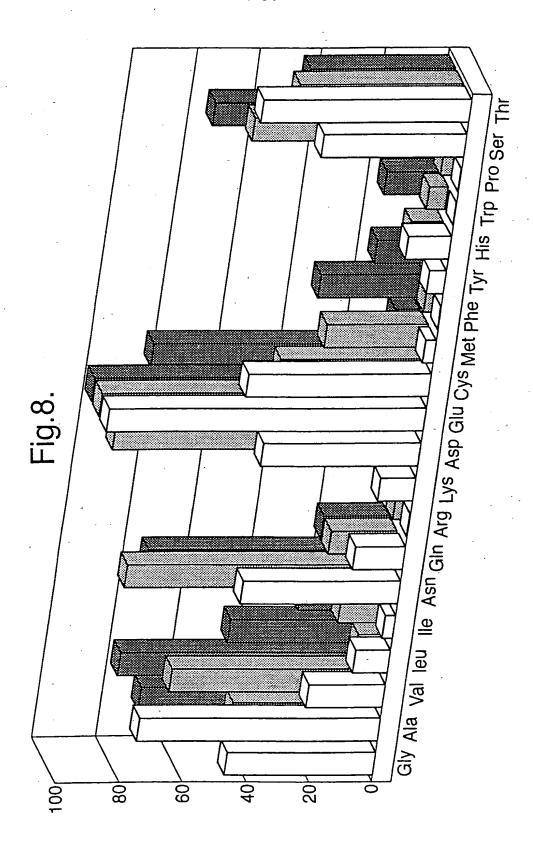


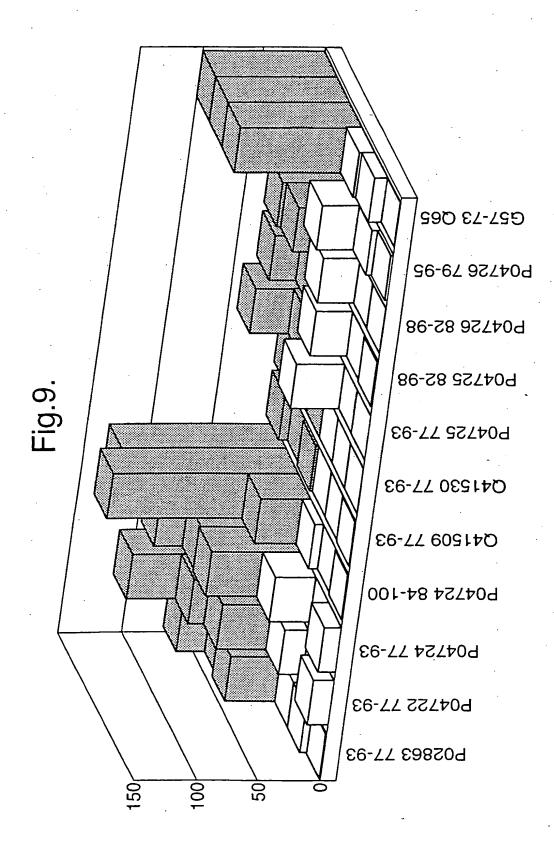


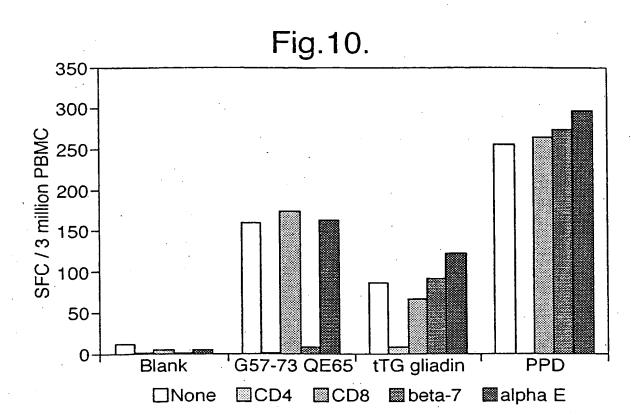




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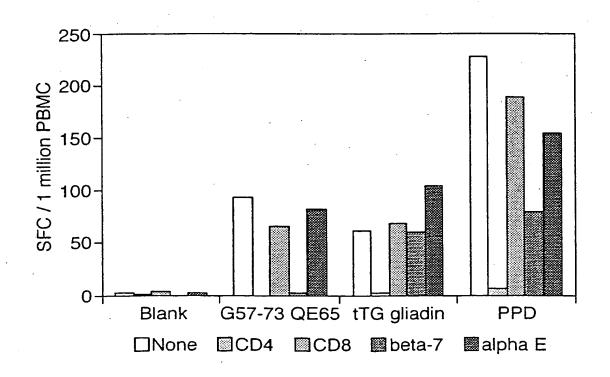


Fig.11.

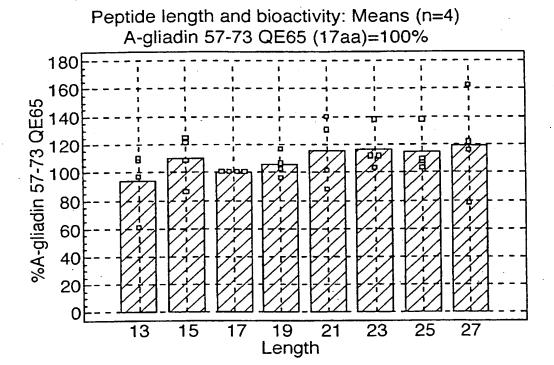


Fig. 12a.

Dose response to A-gliadin 57-73 QE65: QLQPFPQPELPYPQPQS.

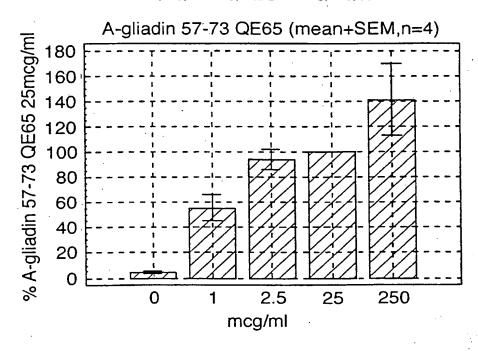
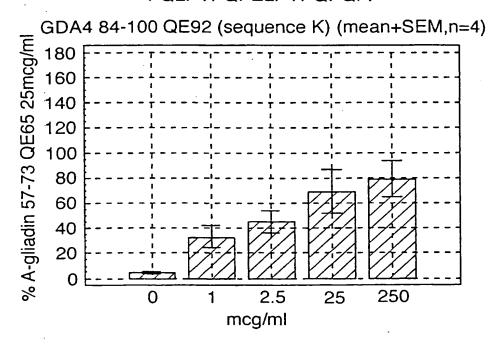


Fig.12b.

Dose response to GDA4_WHEAT P04724 84-100 QE92: PQLPYPQPELPYPQPQP.



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Fig.12c.

Dose response to A-gliadin 57-73: QLQPFPQPQLPYPQPQS (2.5, 25 & 250 mcg/ml), and A-gliadin 57-73 (25 mcg/ml) + tTG treatment.

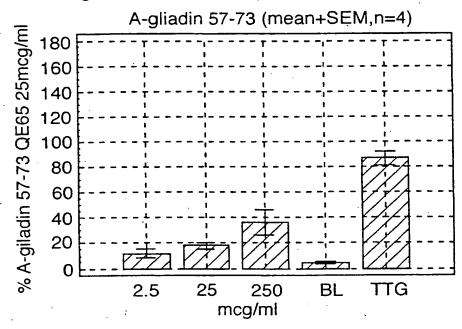
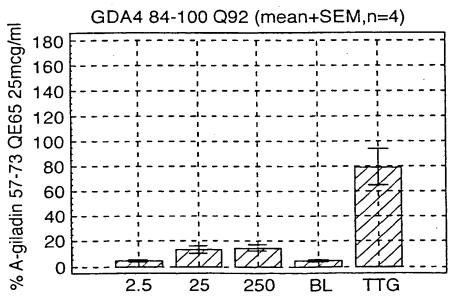


Fig. 12d.

Dose response to GDA4_WHEAT P04724 84-100: PQLPYPQPQLPYPQPQP (2.5, 25 & 250 mcg/ml), and P04724 84-100 (25 mcg/ml) + tTG treatment.



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Fig.12e.

Dose response to the DQ2-restricted α gliadin T cell epitope A-gliadin 57-68 QE65: QLQPFPQPELPY (E65) (2.5, 25 & 250 mcg/ml), and A-gliadin 57-68: QLQPFPQPQLPY (Q65) (25 mcg/ml) +/- tTG treatment.

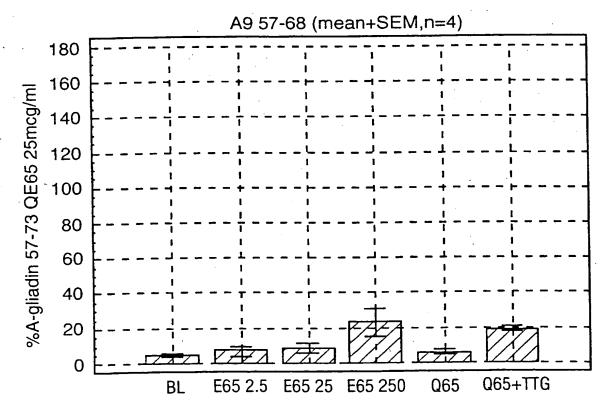


Fig. 12f.

Dose response to the DQ2-restricted α gliadin T cell epitope $\alpha-2$ 62-75 QE65 & QE72: PQPELPYPQPELPY (E65) (2.5, 25 & 250 mcg/ml), and $\alpha-2$ 62-75: PQPQLPYPQPQLPY (Q65) (25 mcg/ml) +/- tTG treatment.

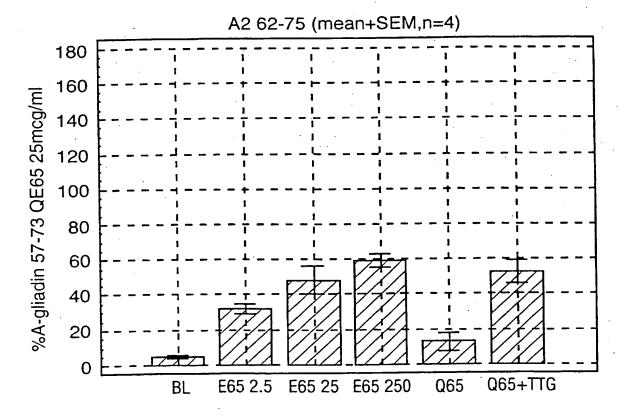
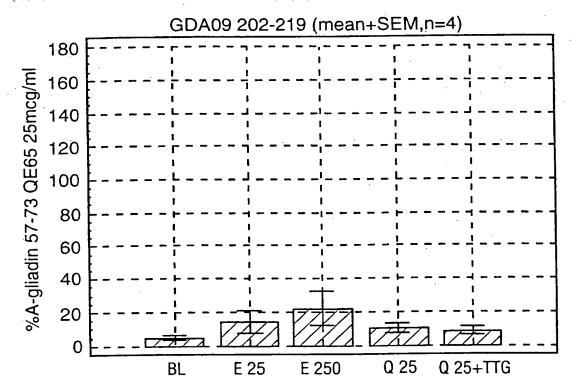


Fig.12g.

Dose response to the DQ8-restricted α gliadin T cell epitope GDA9 202-219: QE208 & 216: QQYPSGEGSFQPSQENPQ (E) (25 & 250 mcg/ml), and to GDA9 202-219 QQYPSGQGSFQPSQQNPQ (Q) (25 mcg/ml) +/- tTG treatment.



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Fig.12h.

Dose response to the DQ2-restricted γ gliadin T cell epitope GDB2 134-153 QE140, 148,150: QQLPQPEQPQQSFPEQERPF (E) (25 & 250 mcg/ml), and to GDB2 134-153: QQLPQPQQPQQSFPQQQRPF (Q) (25 mcg/ml) +/- tTG treatment.

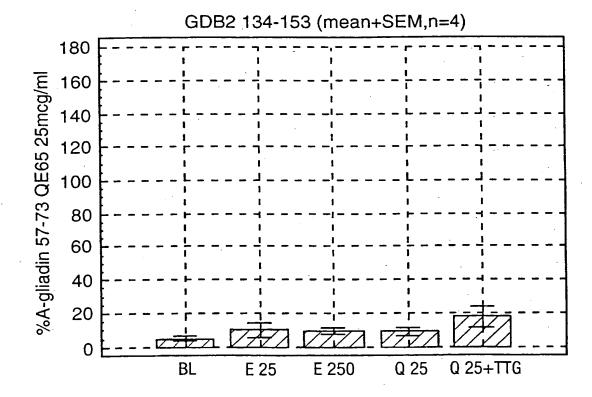


Fig.13a.

Dose response to gliadin digest by chymotrysin.

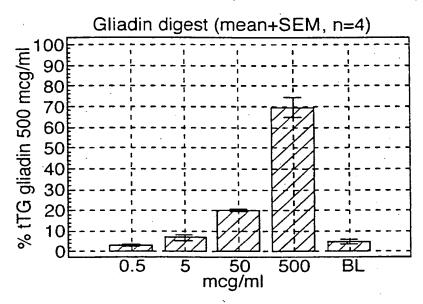


Fig.13b.

Dose response to gliadin digested by chymotrysin then treated with tTG.

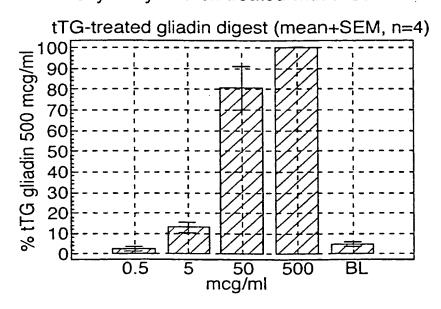
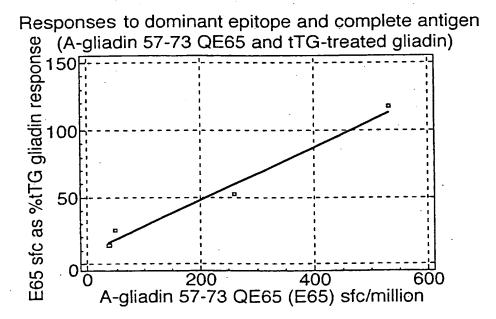


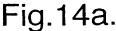
Fig. 13c.

Total ELISpot responses to A-gliadin 57-73 QE65 (25mcg/ml) versus A-gliadin 57-73 QE65 responses as percent of tTG gliadin (500mcg/ml) responses.

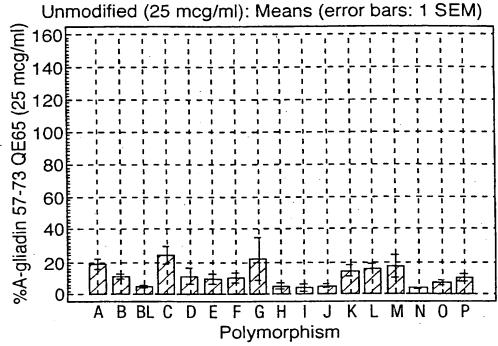


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(Fig.14.)
Bioactivity of gliadin polymorphisms of A-gliadin 57-73
(A) in coeliac subjects 6/7 days after gluten challenge
(Gamma-Interferon Elispot) (n=4).

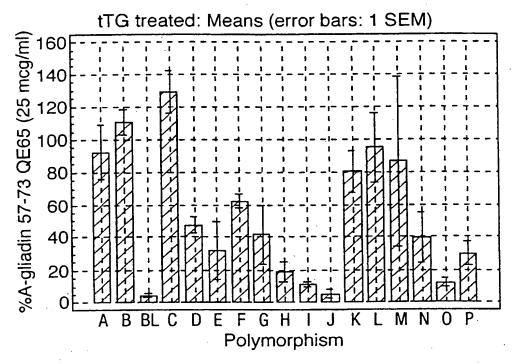


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• •	QLQPFPQPQLPYPQPQS QLQPFPQPQLPYPQPQP	1	QLQPFPQPQLSYSQPQP QPQPFPPPQLPYPQTQP
_	QLQPFPQPQLPYPQPQL	ĸ	PQLPYPQPQLPYPQPQP
\cup	QLQFFFQFQLFIFQFQL	1.7	
D	QLQPFPQPQLPYLQPQS	L	<u>PQL</u> PYPQPQLPYPQPQL
Ε	QLQPFPRPQLPYPQPQP	M	PQPQPFLPQLPYPQPQS
F	QLQPFPQPQLPYSQPQP	Ν	PQPQPFPPQLPYPQPQS
G	QLQPFLQPQLPYSQPQP	0	<u>PQPQPFP</u> PQLPYPQ <u>TQP</u>
Н	QLQPFSQPQLPYSQPQP	P	<u>PQPQPFP</u> PQLPYPQP <u>PP</u>

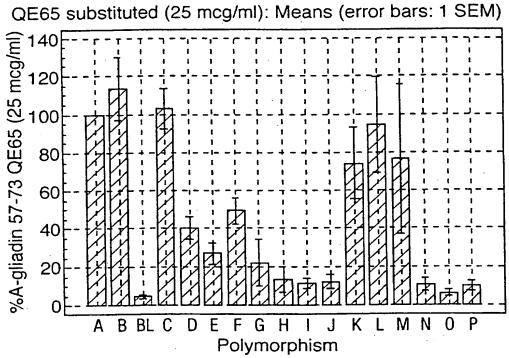
Fig.14b.



Α	QLQPFPQPQLPYPQPQS
В	QLQPFPQPQLPYPQPQP
С	QLQPFPQPQLPYPQPQL
D	QLQPFPQPQLPYLQPQS
Ε	QLQPFPRPQLPYPQPQP
F	QLQPFPQPQLPYSQPQP
G	QLQPFLQPQLPYSQPQP
H	QLQPFSQPQLPYSQPQP

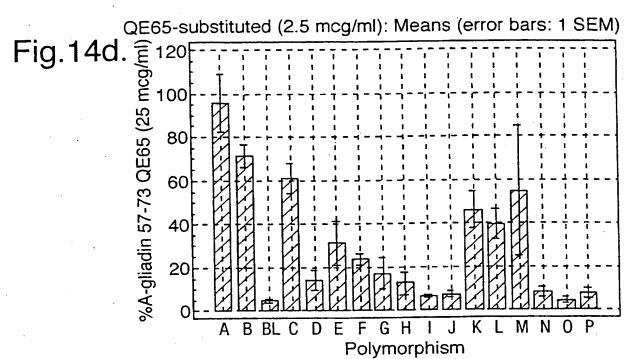
I QLQPFPQPQLSYSQPQP
J QPQPFPPPQLPYPQTQP
K PQLPYPQPQLPYPQPQL
L PQLPYPQPQLPYPQPQL
M PQPQPFLPQLPYPQPQS
N PQPQPFPPQLPYPQPQS
O PQPQPFPPQLPYPQTQP
P PQPQPFPPQLPYPQPPP

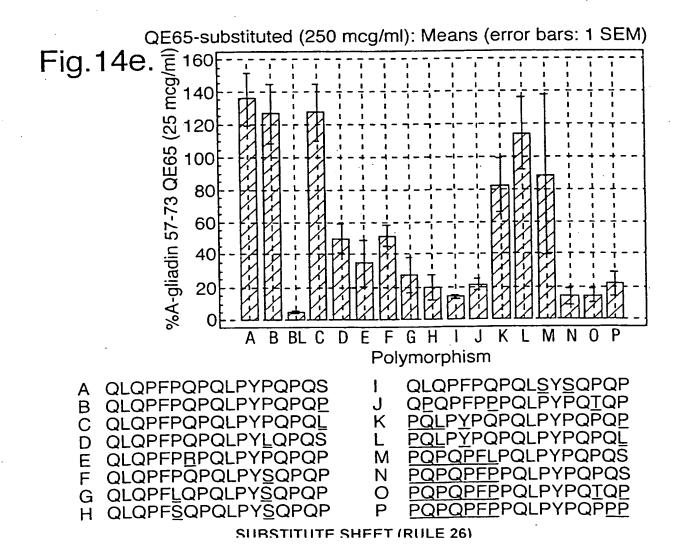
Fig.14c.



QLQPFPQPQLSYSQPQP QLQPFPQPQLPYPQPQS QPQPFPPPQLPYPQTQP QLQPFPQPQLPYPQPQP В QLQPFPQPQLPYPQPQL K C LPYPQPQLPYPQPQP QLQPFPQPQLPYLQPQS D QLQPFPBPQLPYPQPQP M QLQPFPQPQLPYSQPQP N QLQPFLQPQLPYSQPQP POPOPPPPQLPYPQTQP 0 QLQPFSQPQLPYSQPQP







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Fig.15.

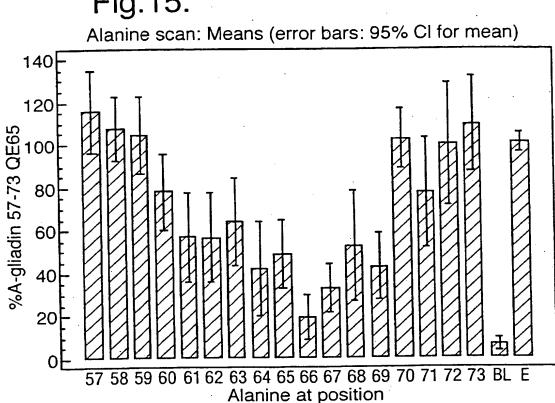
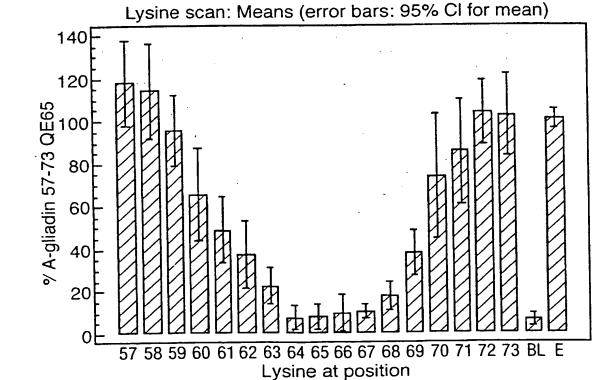


Fig. 16.

Lysine scan: Means (error bars: 95% Cl for mean

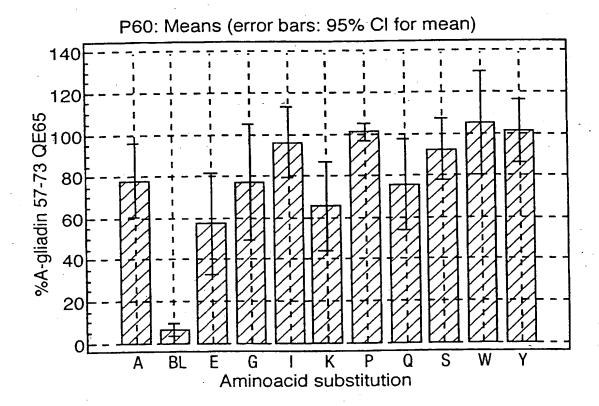


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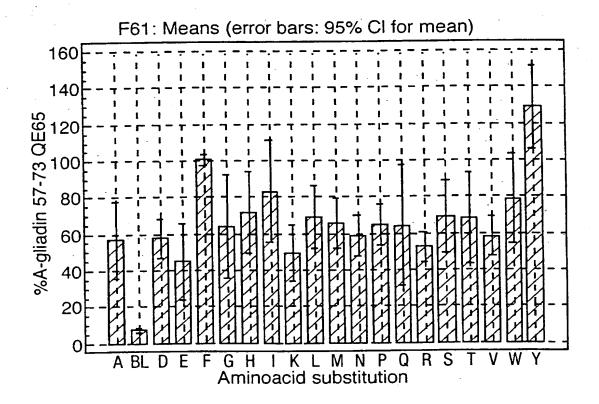
Fig.17.



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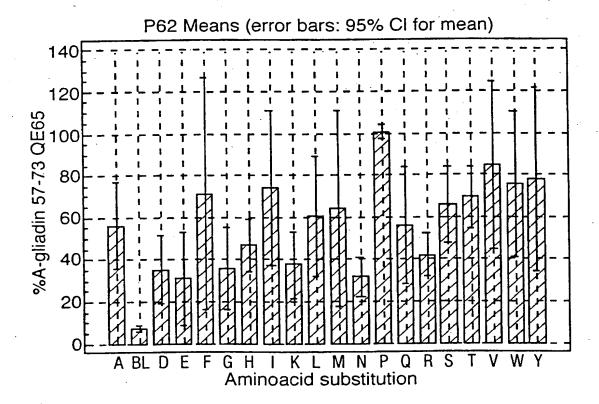
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Fig.18.



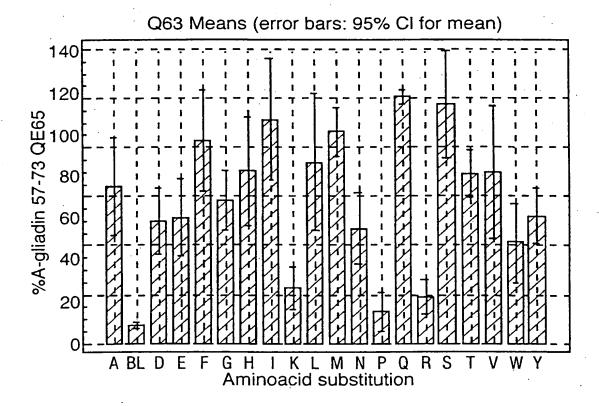
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Fig.19.



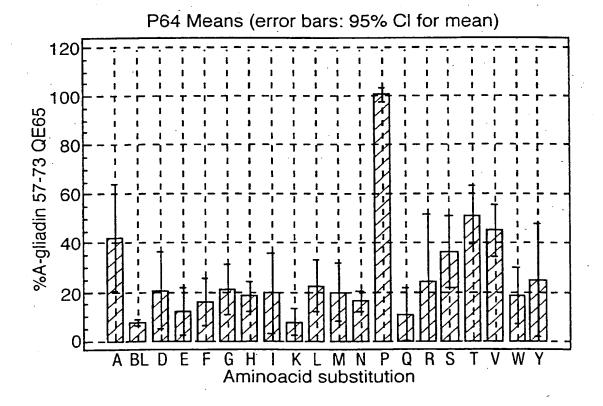
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Fig.20.



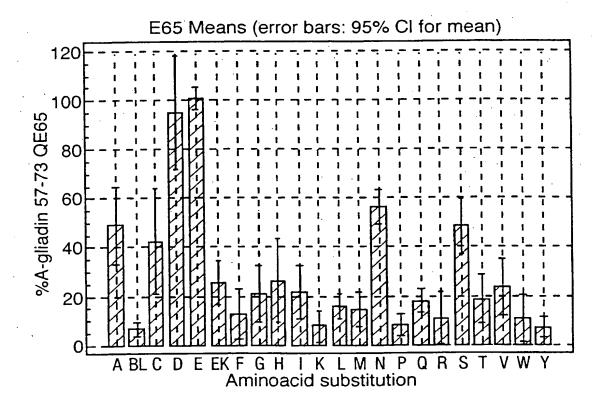
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Fig.21.



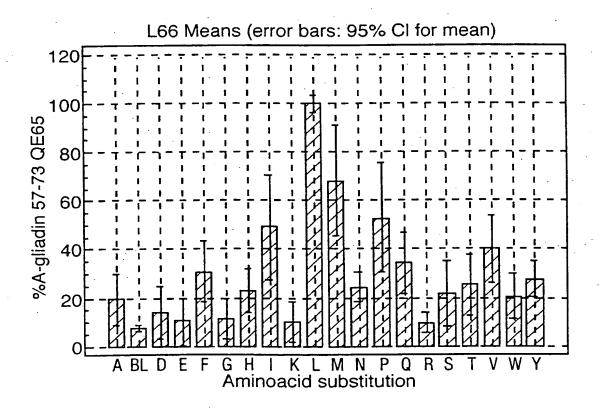
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Fig.22.



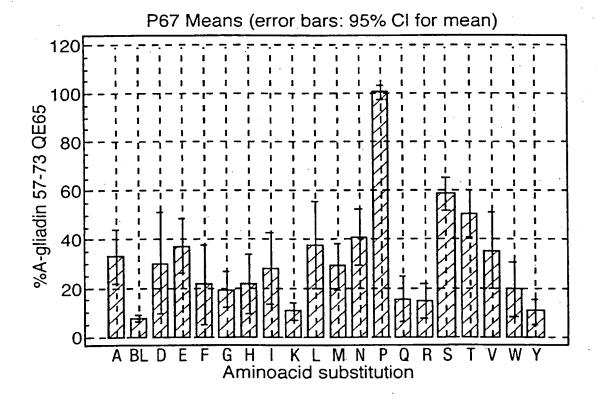
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Fig.23.



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Fig.24.



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Fig.25.

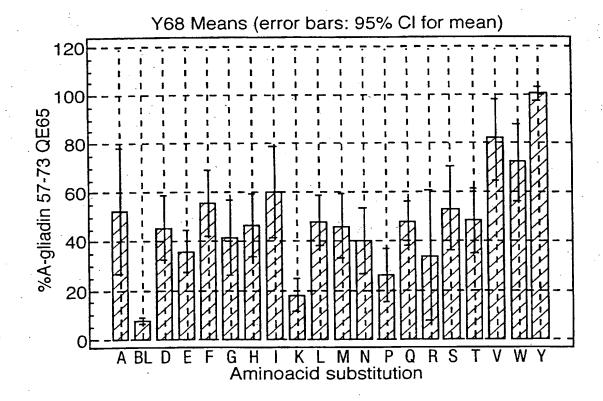
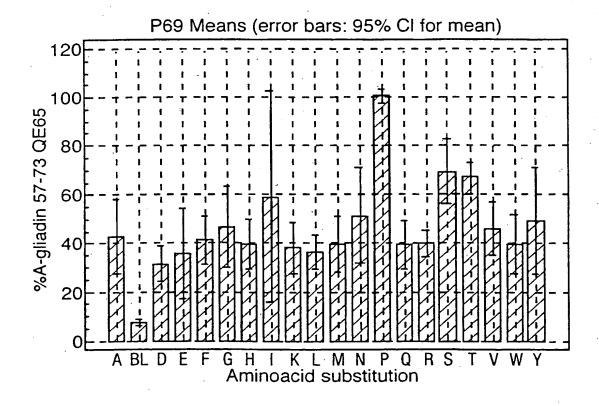
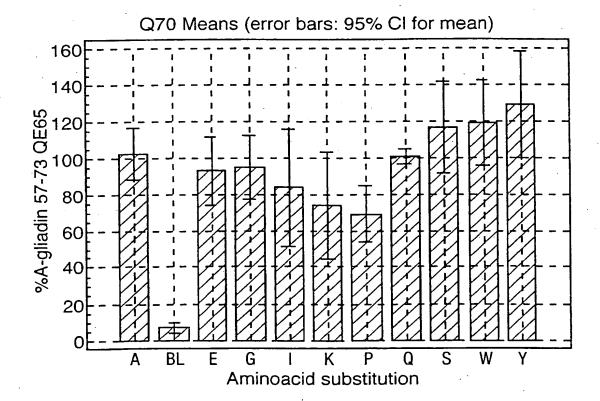


Fig.26.



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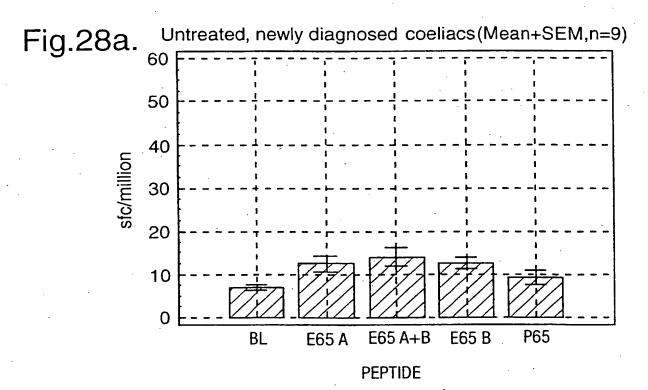
Fig.27.



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(Fig.28.)
Interferon gamma ELISpot responses in newly diagnosed and treated coeliac subjects, before and after gluten challenge.



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Fig.28b.

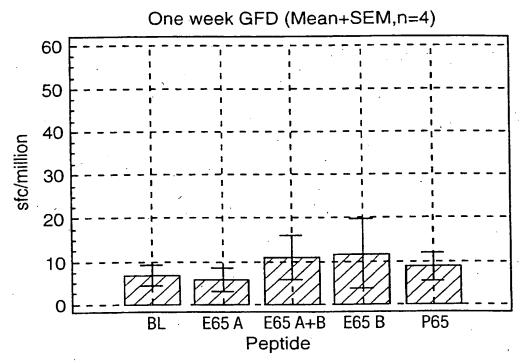
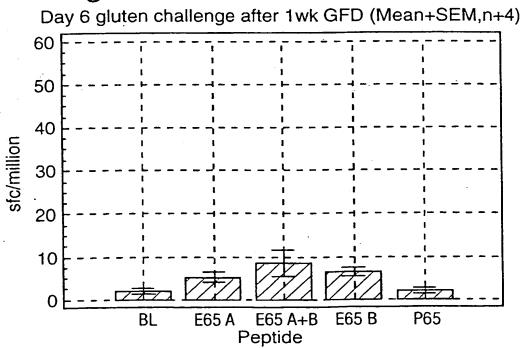


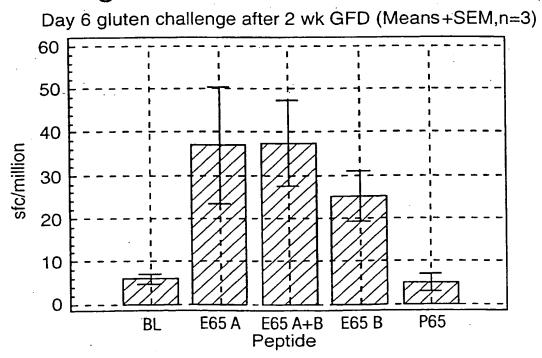
Fig.28c.



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Fig.28d. Two weeks GFD (Means+SEM,n=3) 60 50 40 sfc/million 30 20 1Ó 0 P65 BL E65 A E65 A+B E65 B Peptide

Fig.28e.



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Fig.28f.

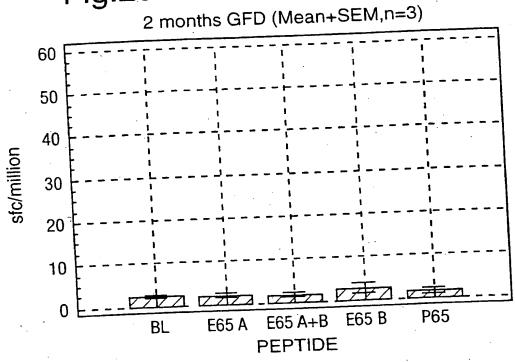
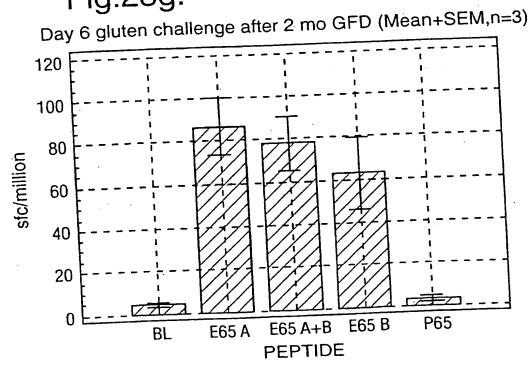


Fig.28g.



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